G 7804
Laboratory Washing System

The Miele G 7804

The Miele G 7804 represents the highest quality general-purpose laboratory washer on the market today. Equipped with three wash routines, the G 7804 can handle a wide variety of cleaning challenges found in basic laboratory environments.

The G 7804 can accommodate a variety of baskets and inserts specifically designed for laboratory glassware. This includes injection baskets for difficult to clean narrow necked items, specially designed pipette cleaning baskets and standard baskets for wide-mouthed items.

Key Features

- The G 7804 includes Novotronic Plus controls with three selectable wash programs, designed to handle a wide variety of cleaning challenges, selectable drying and program sequence, fault and container empty indicators.
- Main wash and DI rinse water temperatures are heated to 70ºC for superior cleaning results and to ensure proper removal of both the contaminant and detergent residues.
- The built-in water softener provides optimal detergent performance regardless of incoming water hardness. Maximizing time management, the regeneration occurs during the subsequent wash cycle.
- Separate drain and circulation pumps are standard, prolonging pump life.
- The heavy duty, electric gentle start, circulation pump is rated at 400 litres per minute for fast, thorough cleaning. To prevent over heating and pump failure, it is equipped with a speed sensor, which monitors pump speed and stops in the event of an obstruction.
- The 304 and 316 stainless steel wash chamber provides superior corrosion resistance and helps extend overall machine life.
- The G 7804 includes 6,000 watts of heating power for efficient heating of wash and rinse water, guaranteeing temperatures are achieved quickly, regardless of incoming water temperature.
- Miele's four-stage filter system keeps debris from reaching the pumps, helping prevent both redeposit of contaminant on glassware and pump damage due to debris in the sump area.
- Easily accessible from the wash chamber is the non-return valve, preventing contaminated water from backing up into the wash chamber.
- A powder door cup is standard for easy detergent dispensing.
- The G 7804 automatically dispenses liquid acid neutralizer to restore proper pH levels to the glassware and chamber and remove any final detergent residues. Neutralizer is dispensed from the liquid reservoir located in the door.
- G 7804 accepts a variety of interchangeable standard and direct injection baskets. Baskets can be easily changed to allow maximum flexibility from load to load.
- Miele's Waterproof System is designed to protect the laboratory from potential flooding. Double-wall intake hoses divert any leaks to the drip tray, where a float sensor shuts off water lines and activates the drain pump.
- An audio-visual alarm system alerts operator to machine status and error conditions. In a crowded laboratory environment, the alarm can help save time by alerting the user immediately upon change in machine condition.
- Built-in top and bottom spray arms, plus a middle spray arm on the standard baskets, provide thorough spray coverage throughout the chamber, regardless of the quantity being cleaned or the number of basket levels being used.

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Miele PROFESSIONAL

Programs	Wash Programs	Short, Medium and Extended
	Utility Programs	Rinse (cold) and Drain
Temperatures	Wash	Maximum 70ºC/160ºF (adjustable 30-70ºC/90-160ºF)
	Final Rinse	Maximum 70ºC/160ºF (adjustable 30-70ºC/90-160ºF)
Cleaning Mechanisms	Rotary	Dual spray arms located at the top and bottom of the chamber
	Direct Injection	Upper & lower or dual injection baskets available
Drying System		Selectable, 10 minute, gravity convection drying
Water Softener		Built-in water softener with adjustable water hardness control
Detergent Dispensing	Detergent	Powder door cup dispenser (Liquid dispensing optional extra)
Neutralizer Dispensing	Neutralizer	Door reservoir liquid dispenser
	Surfactant	Door reservoir liquid dispenser
Main Circulation Pump	Circulation	Rated at 400 litres per minute Equipped with speed sensor to protect against overheating
Cabinet and Chamber	Construction	Exterior: Brush finish type 304 stainless steel Interior: Type 304 SS sides, back and top, type 316 SS chamber floor and door
Plumbing Connections	Tap (Cold or Hot)	*Water for wash cycle:* One ½" ID pressure hose, 5' (1.5 m) long for connection to ¾" male hose thread. Recommended pressure: 25-60 PSI, 1.5-4 bar Max. incoming water temp.: 65ºC. Flow rate is 8 llitres/min.
	Tap/Pressurized DI or Non-pressurized DI (Cold, Hot or DI)	*Water for rinse cycle:* One ½" ID pressure hose, 5' (1.5 m) long for connection to ¾" male hose thread. Recommended pressure: 25-60 PSI, 1.5-4 bar (Water pressure < 10 PSI requires an optional pump.) Flow rate is 8 llitres/min.
Drain Connections	Connection	One ⅞" ID flexible drain hose, 5' (1.5 m) long. Maximum drain height = 3' (1 m). Recommended connection to a separate standpipe.
	Flow Rate	10.5 litres (2.5 gallons) per minute
Electrical Connections (Units are CSA approved)	Three Phase OR (convertible to) Single Phase	208V, 60 Hz, 3 x 20 Amps 208V, 60 Hz, 2 x 30 Amps Equipped with 5' (1.5 m), 12/4 AWG unterminated power cord
Sound Level (dB)	Freestanding	64.8 at machine, 52.9 at 1 m
	Undercounter	62.0 at machine, 50.1 at 1 m
Dimensions	Interior (Chamber)	500 x 530 x 475 (upper section) / 515 (lower section) mm (H x W x D)
	Exterior	850 (820) x 600 x 600 mm (H x W x D)